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IS 10370-3 (1982): Dimensions of mounting accessories of pot cores for wired circuits, Part 3: For pot cores of size 18x14(mm) [LITD 5: Semiconductor and Other Electronic Components and Devices]



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“Knowledge is such a treasure which cannot be stolen”

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IS : 10370 (Part III) - 1982

Indian Standard

DIMENSIONS OF MOUNTING ACCESSORIES OF POT CORES FOR WIRED CIRCUITS PART III FOR POT CORES OF SIZE 18 × 14 mm

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Indian Standard

DIMENSIONS OF MOUNTING ACCESSORIES OF POT CORES FOR WIRED CIRCUITS

PART III FOR POT CORES OF SIZE 18 × 14 mm

Magnetic Components and Ferrite Materials
Sectional Committee, LTDC 13

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*Dr J. Vaid was the Chairman for the meeting in which this standard was finalized.

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Indian Standard

DIMENSIONS OF MOUNTING ACCESSORIES OF POT CORES FOR WIRED CIRCUITS

PART III FOR POT CORES OF SIZE 18 × 14 mm

0. FOREWORD

0.1 This Indian Standard (Part III) was adopted by the Indian Standards Institution on 30 November 1982, after the draft finalized by the Magnetic Components and Ferrite Materials Sectional Committee had been approved by the Electronics & Telecommunication Division Council.

0.2 The object of this standard is to specify the dimensions of mounting accessories of pot cores made of ferromagnetic oxides.

0.3 This standard is intended to be one of the series of Indian Standards on dimensions of mounting accessories of pot cores of various sizes for wired circuits. Though the pot core of size 18 × 14 mm is not a preferred size, the need has been felt to standardize it and its mounting accessories because of its large usage by the industry in the country.

0.4 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

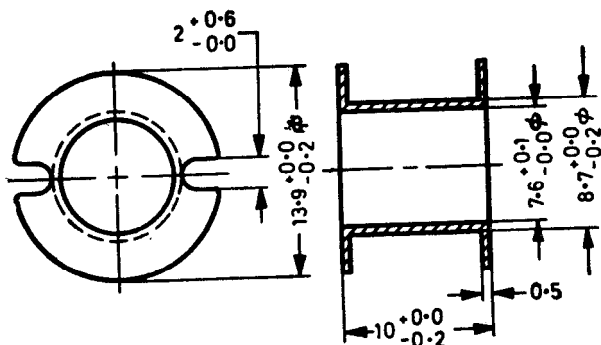
1.1 This standard (Part III) covers following mounting accessories to be used with pot cores for wired circuits and of size 18 × 14 mm:

- a) Bobbins,
- b) Clamp for pot core, and
- c) Disc for pot core clamp.

*Rules for rounding off numerical values (revised).

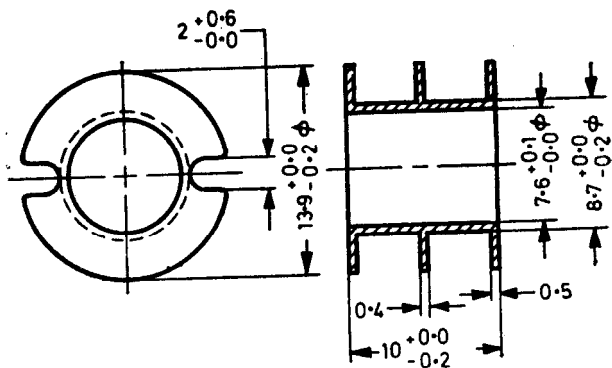
2. DIMENSIONS

2.1 Bobbins — Dimensions of bobbins shall be as in Fig. 1 and 2.



All dimensions in millimetres.
General Tolerance = ± 0.1 mm
Material Polyacetal GV/Polycarbonate

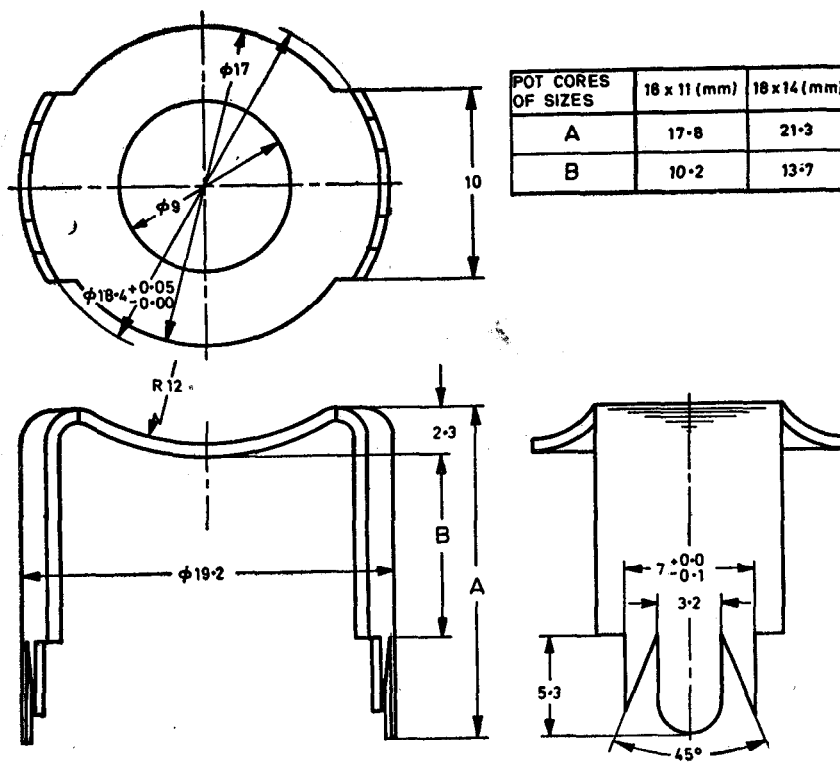
FIG. 1 SINGLE SECTION BOBBIN



All dimensions in millimetres.
General Tolerance = ± 0.1 mm
Material Polyacetal GV/Polycarbonate

FIG. 2 DOUBLE SECTION BOBBIN

2.2 Clamp for Pot Core — Dimensions of clamp for pot core shall be as in Fig. 3.



All dimensions in millimetres.

General Tolerance = ± 0.1 mm

Bending radius should not exceed 1 R on outside.

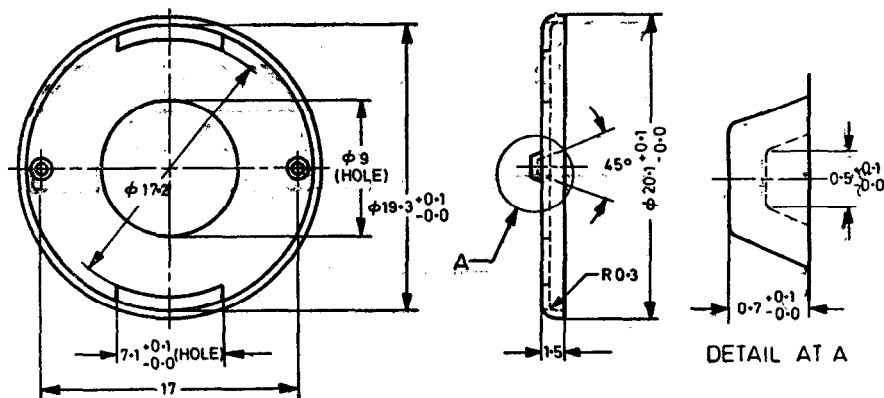
FIG. 3 CLAMP FOR POT CORE

2.2.1 The material used for clamp shall be half hard brass, of alloy designation CuZn 37 in accordance with 5.1 of IS : 410-1977*, 0.4 mm thick with suitable non-magnetic plating.

NOTE — Nickel-silver spring/yoke of 0.3 mm thickness may also be used in place of clamp for mounting assembly.

*Specification for cold rolled brass sheet, strip and foil (third revision).

2.3 Disc for Pot Core Clamp — Dimensions of disc for pot core clamp shall be as in Fig. 4.



All dimensions in millimetres.

General Tolerance = ± 0.1 mm

Material — Brass half hard 0.4 thick, with suitable non-magnetic plating.

FIG. 4 DISC FOR POT CORE CLAMP